

ITEM	MATERIAL DESCRIPTION	STOCK NO.	MH16X6X7P
	PRE-CAST RECTANGULAR MANHOLE		
А	INSIDE DIMENSION 16' X 6' X 7'H	0113-0178	1
	OUTSIDE DIMENSION 17'-4" X 7'-4" X 8'H		
В	MANHOLE RIM	4218-1016	1
С	MANHOLE COVER	4203-3514	1
D	INCREMENT RING, 6"	0113-0194	1

- 1. MH16X6X7P is the approved manhole for use with all standard primary cables (Z-629) and splices (Z-614). The inside dimensions are 16'LX6'WX7'H. This is a non-stocked material; it must be ordered by PMR, and can be delivered to the excavation site.
- 2. A mastic compound for sealing the 2 manhole sections will be provided by the manufacturer at the time of delivery.
- 3. Duct banks are 6" 'terminators' (pvc waterproof sealing ring).
- 4. Pulling irons are centered on the narrow walls of the bottom section and approximately 12" off the floor.
- 5. 8-5/8" ceiling inserts are strategically placed.
- 6. 2-4/0 bare cu wires (s/n 3330-9220) will be inserted through the wall of the bottom section. One (1) on each long wall for internal and external grounding purposes. At a minimum, the tails should be 18'' internally and 30'' externally. See Z-805 for grounding details.
- 7. The 'sump' hole is 4'' deep and approximately 12'' in diameter, and located in the center.

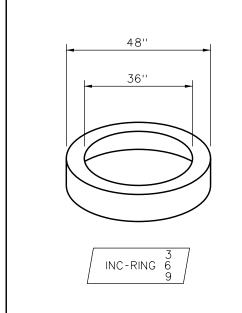
TDF: 129

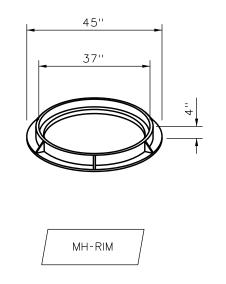
DRAWN: BLW DVLPED: JTR DATE: 06/01 REVIEWED: RLH DATE: 10/28/14 APPRVD: AAT DATE: 10/28/14 REVIEW: 10/18 REV: 2

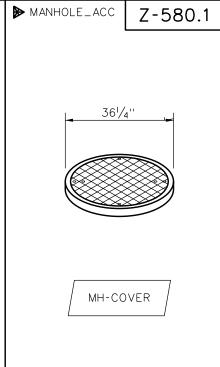


POWER
DISTRIBUTION
STANDARDS

PRE-CAST MANHOLE, 16'L







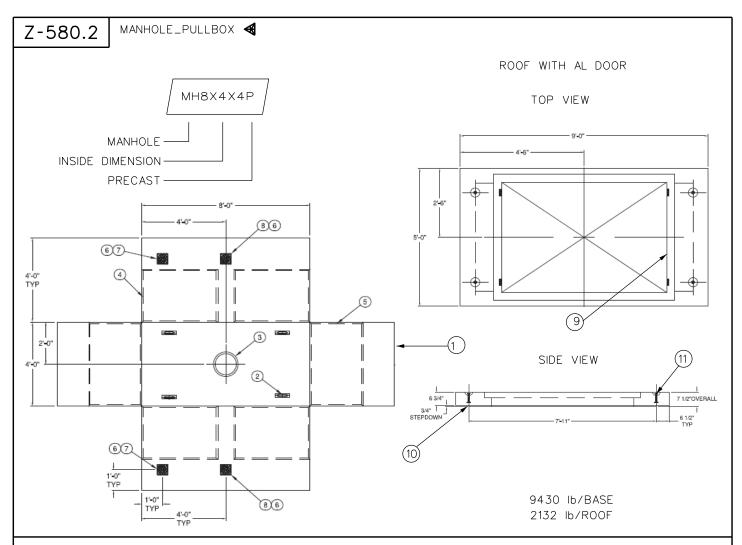
				ı	NC-RING	G∗	
MATERIAL DESCRIPTION	STOCK NO.	MH-RIM	MH-COVER	3	6	9	
MANHOLE RIM	4218-1016	1					
MANHOLE COVER	4203-3514		1				
INCREMENT RING, 3"	0113-0186			1			
INCREMENT RING, 6"	0113-0194				1		
INCREMENT RING, 9"	0113-0202					1	

Increment rings are available in 3", 6" or 9" thickness. These rings shall be used to adjust the manhole rim to match the final grade surface.

REVIEWED: RLH DATE: 10/28/14

DRAWN: BLW DVLPED: JTR DATE: 06/01

POWER DISTRIBUTION **STANDARDS**



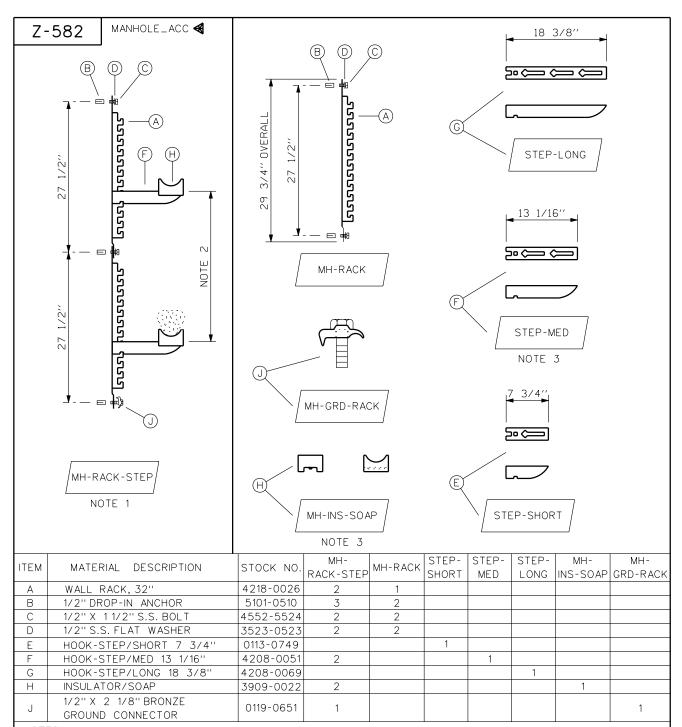
ITEM	MATERIAL DESCRIPTION	STOCK NO.	MH8X4X4P
	PRE-CAST RECTANGULAR MANHOLE BASE		
Α	INSIDE DIMENSION 8'L X 4'W X 4'H	9503-6892	1
	OUTSIDE DIMENSION 9'L X 5'W X 4'6"H		
В	MANHOLE ROOF W/AL DOOR (48"X72")	9503-6893	1
	ROOF DIMENSION 9'L X 5W' X 6.75"TH		

- 1. FLAT SURFACE FOR CONNECTION OF BASE WITH ROOF SLAB, APPLY MASTIC SEALANT TO JOINT.
- 2. PULLING IRONS, FOUR, FOR LIFTING PURPOSES.
- 3. 4" DEEP BY 12" DIA. SUMP PIT WITH 1"X1/2" DEEP GROOVE.
- 4. FOUR 29"H X41-1/2"WX3"D KNOCKOUT PANEL
- 5. TWO 29"H X 46"W X 3"D KNOCKOUT PANEL
- 6. FOUR 6"X6"X2" PATCHOUT OPENING FOR GROUND CONNECTION TO REBAR.
- 7. *4/0 STRANDED COPPER CLAMPED TO MAT STEEL, 30"L EXPOSED PIGTAIL TO THE OUTSIDE.
- 8. #4/0 STRANDED COPPER CLAMPED TO MAT STEEL, 18"L EXPOSED PIGTAIL TO THE INSIDE.
- 9. 48"X72", NON TRAFFIC H20 RATED AL DOOR WITH PENTA HASP
- 10. APPLY MASTIC JOINT SEAL BEFORE INSTALL ON THE BASE.
- 11. FOUR 4 TON LIFTING DEVICES AT MINIMUM OF 14" FROM THE EDGE.
- 12. MH8X4X4P is designed for use with larger 1000 kcmil cables. This is a non-stocked material; that must be ordered and can be delivered to the excavation site.

TDF: 129

DRAWN: ACM DVLPED: ACM DATE: 3/28/13 REVIEWED: RLD DATE: 10/28/14 APPRVD: AAT DATE: 10/28/14 REVIEW: 10/18 REV: O





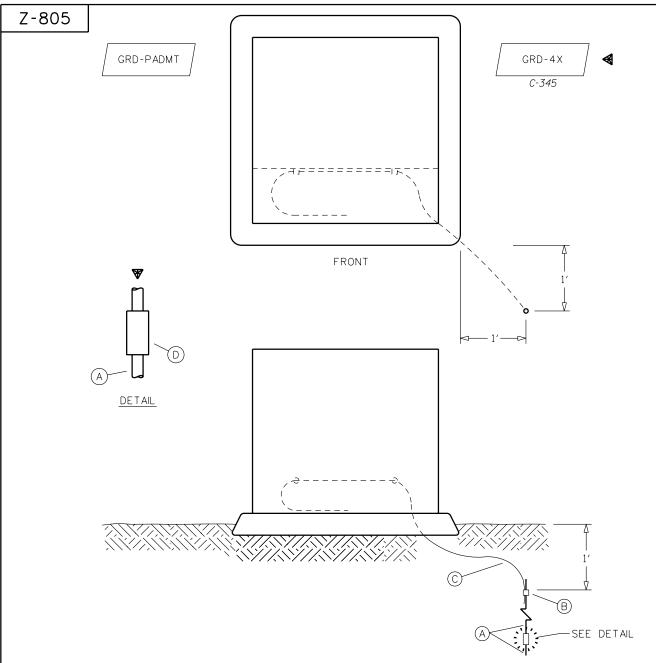
- 1. For new installations, a minimum of two (2) MH-RACK-STEP per wall are required to support the cable and splices. Other manhole accessory applications will depend upon the number of circuits installed, cable size and cable entry.
- 2. The spacing between the steps will depend upon the size of the cable installed, cable duct entry location and the splicing and cable training techniques used by the splicer.
- 3. When installing and splicing additional circuits, a minimum of two (2) STEP-MED and two (2) MH-INS-SOAP are required for mounting on the existing racks.

DRAWN: BLW DVLPED: JTR DATE: 06/01 REVIEWED: RWM DATE: 05/09/08 APPRVD: JKP DATE: 05/30/08 REVIEW: 11/10 REV: 3



POWER
DISTRIBUTION
STANDARDS

MANHOLE ACCESSORIES



ITEM	MATERIAL DESCRIPTION	STOCK NO.	GRD-PADMT	GRD-4X
А	ROD, GROUND, GALV., 5/8" x 4" MIN. (6 REQ.)	9800-0113	6	1
В	CONNECTOR GROUND ROD	3825-0015	1	
С	#2 S.D. CU. WIRE	3330-0179	6	
D	COUPLING, GROUND ROD, THREADLESS	9900-3462	5	1

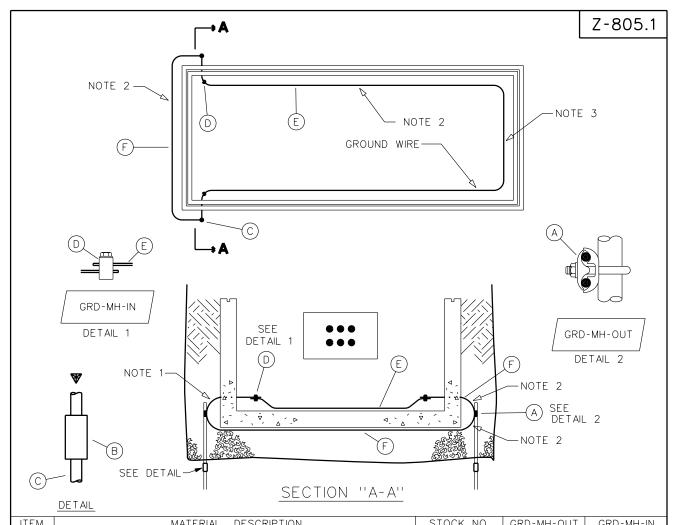
1. All driven grounds on delta or ungrounded wye connected circuits shall have a measured resistance of 25 ohms or less.

DRAWN: JFB DVLPED: DCY DATE: 01/00	REVIEWED: RWM DATE: 01/31/08	APPRVD: JKP DATE: 02/21/08	NEXT REVIEW: 11/10	REV: 4
------------------------------------	------------------------------	----------------------------	-----------------------	--------



POWER DISTRIBUTION STANDARDS

GROUNDING OF PADMOUNTED EQUIPMENT



HEM	MATERIAL DESCRIPTION	STOCK NO.	GRD-MH-OUT	GRD-MH-IN
Α	2C 2/0-250 GROUND ROD CONNECTOR	0123-0655	2	
В	COUPLING, GROUND ROD, THREADLESS	9900-3462	10	
С	ROD, GROUND, GALV., 5/8" x 4"	9800-0113	12	
D	4/0-4/0 VISE CONNECTOR, BRONZE	3823-0066		2
Ε	4/0 CU. COV., 19 STD. S.D.	3400-2212		30
F	4/0 CU. BARE S.D.	3330-9220	30	

- 1. (S.N. 3330-9220) will be inserted through both walls by the manufacturer. A 4/0 Cu. bare (minimum 30" external and 18" internal) tail will be provided for the ground connections.
- 2. Both grounding locations \(\sumeter \text{GRD-MH-IN} \) and \(\sumeter \text{GRD-MH-OUT} \) shall be "tied" together. The external ground locations should be connected with a 4/0 bare copper s.d. (S.N.3330-9220). The internal grounds should be connected with a 4/0 copper covered wire 19 str. s.d. (S.N. 3400-2212).
- 3./GRD-MH-IN/ shall be attached to the wall racks when the hole is racked-out, see z-582.
- 4. All driven grounds on delta or ungrounded wye connected circuits shall have a measured resistance of 25 ohms or less.

$\left[\right]$	DRAWN: JFB	DVLPED: DCY	DATE: 01/00	REVIEWED: RWM	DATE:	01/31/08	APPRVD: JKP	DATE: 02/21/08	NEXT REVIEW: 11/10	REV:	4
) - 0/C	· /	PHI ACE / DP	DISTR	WER IBUTION DARDS			MAI	NHOLE GROU	NDING		

Z-80)6						
	THIS	PAGE	INTENT	IONALLY	LEFT	BLANK	
DRAWN:	-	DATE:	REVIEWED: D	ATE: APPRVD:	DATE:	NEXT REVIEW:	REV: _
	PHI		OWER RIBUTION		BLA	NK	
	ACE / DP		NDARDS			>: VI >	

*** WALLS FOLD DOWN ***

